



Ethernet Transmission Solutions

The AMG optical transceivers are compliant with the Small Form-Factor Pluggable (SFP) Multi-Source Agreement (MSA). They offer previously unavailable system cost, upgrade, and reliability benefits by virtue of being hot-pluggable.



[SINGLE FIBRE, DUAL FIBRE & RJ45 SFPs]

/ OVERVIEW

All AMG Fibre SFP's are available with DDM, VCSEL or DFB). Allowing active monitoring of various features such as:

- Wavelength
- Temperature
- Part Number
- Tx/Rx Power
- Speed

/ FEATURES

- Transceiver unit with independent
 - FP Laser diode transmitter
 - InGaAs PIN photodiode receiver
- Meet Multi-Source Agreement (MSA)
- Operating data rates up to 155Mbps, 1.25Gbps, 2.5Gbps and 10Gbps
- Up to 120 km on 9/125µm Singlemode Fibre and up to 2 km (100Mbps) on 50/125µm Multimode Fibre
- Industrial Operating temperature up to -40 to +85°C
- Hot-pluggable
- Metal enclosure for lower EMI
- +3.3V Single power supply
- Qualified to meet Bellcore reliability standard
- LVPECL logic interface simplifies interface to external circuitry
- LVTTTL logic Signal level RX LO

Specifications.

Part #	Description	Distance	Tx λ (nm)	Loss (dB)	Speed
S18054	Bi-Dir, Single Fibre, Single mode with DDM (match with S18055)	40km	1310	19	1.25 Gbps
S18055	Bi-Dir, Single Fibre, Single mode with DDM (match with S18054)	40km	1550	19	1.25 Gbps
S18056	Dual fibre, Single mode with DDM	20km	1310	12	1.25 Gbps
S18057	Dual fibre, Single mode with DDM	40km	1550	12	1.25 Gbps
S18058	Dual fibre, Multimode with DDM	500m	850	7	1.25 Gbps
S18059	Dual fibre, Single mode with DDM	70km	1550	24	1.25 Gbps
S18074	Dual Fibre, Single mode with DDM	20km	1310	19	155 Mbps
S18082	Dual Fibre, Multimode with DDM	2km	1310	10	155 Mbps
S18113	Bi-Dir, Single Fibre, Single mode with DDM (match with S18114)	75km	1310	12	1.25 Gbps
S18114	Bi-Dir, Single Fibre, Single mode with DDM (match with S18113)	75km	1550	12	1.25 Gbps
S18124	CWDM Single fibre, Single mode with DDM (match with S18125)	120km	1550	30	1.25 Gbps
S18125	CWDM Single fibre, Single mode with DDM (match with S18124)	120km	1490	30	1.25 Gbps
S18131	Bi-Dir, Single Fibre, Single mode with DDM (match with S18132)	70km	1310	19	1.25 Gbps
S18132	Bi-Dir, Single Fibre, Single mode with DDM (match with S18131)	70km	1550	19	1.25 Gbps
S18170	Dual Fibre, Single mode with DDM	40km	1310	19	155 Mbps
S18200	Bi-Dir, Single Fibre, Multimode with DDM (match with S18201)	500m	1550	12	1.25 Gbps
S18201	Bi-Dir, Single Fibre, Multimode with DDM (match with S18200)	500m	1310	12	1.25 Gbps
S29579	Dual Fibre, Multimode with DDM	2Km	1310	17	1.25 Gbps
S18293	Dual fibre, Single mode with DDM	40km	1310	19	1.25 Gbps
S18695	Bi-Dir, Single Fibre, Multimode with DDM (match with S18696)	2km	1550	10	155 Mbps
S18696	Bi-Dir, Single Fibre, Multimode with DDM (match with S18695)	2km	1310	10	155 Mbps
S18697	Bi-Dir, Single Fibre, Single mode with DDM (match with S18698)	20km	1550	19	155 Mbps
S18698	Bi-Dir, Single Fibre, Single mode with DDM (match with S18697)	20km	1310	19	155 Mbps
S18703	Bi-Dir, Single Fibre, Single mode with DDM (match with S18704)	20km	1310	12	1.25 Gbps
S18704	Bi-Dir, Single Fibre, Single mode with DDM (match with S18703)	20km	1550	12	1.25 Gbps
S23006	Bi-Dir, Single Fibre, Single mode with DDM (match with S23007)	40km	1550	17	2.5 Gbps
S23007	Bi-Dir, Single Fibre, Single mode with DDM (match with S23006)	40Km	1310	17	2.5 Gbps
S18927	MultiMode, Dual Fibre, VCSEL	300m	850	2.5	10 Gb
S18941	Single Mode, Dual Fibre, DFB	10Km	1310	6	10 Gb
S18942	Single Mode, Dual Fibre, DFB	40Km	1550	10	10 Gb
S24010	10/100/1000BASE-T, RJ-45, 0-71°C	100m	N/A	N/A	10/100/1000 Mbps